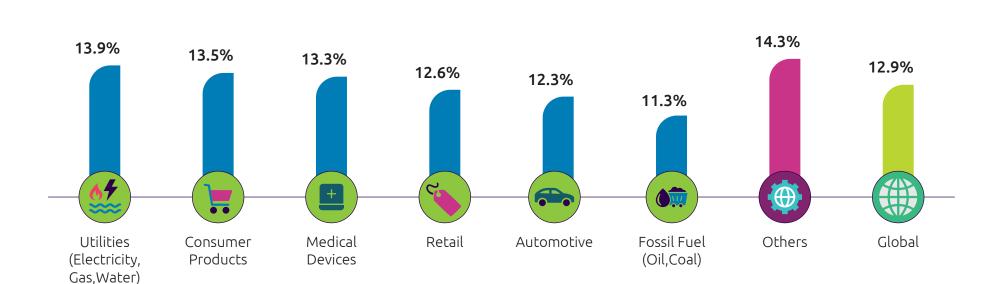
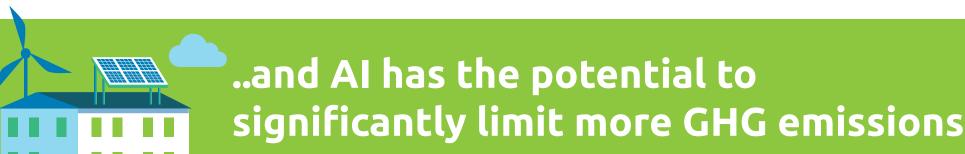


are already reducing GHG emissions

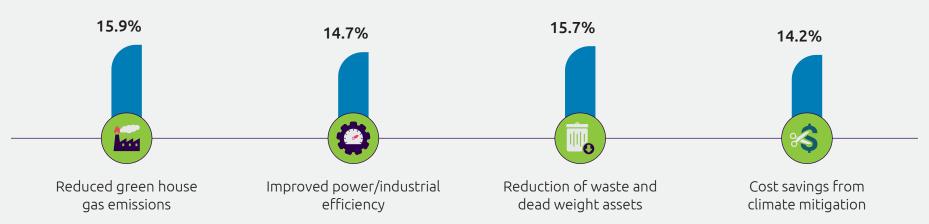
Average GHG emission reduction though AI-enabled use cases in the last two years-by sector (base year 2017)



Source: Capgemini Research Institute, AI in climate action survey, July-August 2020, N = 190 organizations that have been able to fully or partially scale Al projects for climate action. Others include process industry (cement, paper, petro-chemical, paper) and discrete industries (electrical and electronics, air and railway equipment etc.)

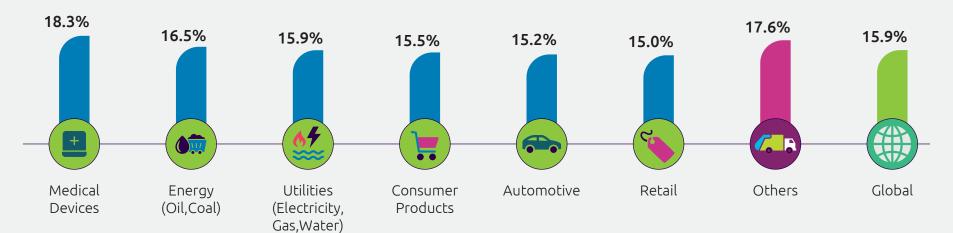


Average benefits expected from use of Al-enabled use cases climate action in the next three to five years



Source: Capgemini Research Institute, AI in climate action survey, July-August 2020, N= 190 organizations that have been able to fully scale or partially scale AI projects for climate action. Reduction of waste includes wastage in broader terms of utilization deadweight – empty trucks/facilities and in disuse/disposal of products before completion of useful life e.g. produce/vehicles.

Average future emission reduction using AI-enabled use cases for the next three to five years (base year 2019)



Source: Capgemini Research Institute, AI in climate action survey, July-August 2020, N = 190 organizations that have been able to scale AI projects fully or partially for climate. Others include process industry (cement, paper, petro-chemical, paper) and discrete industries (electrical and electronics, air and railway equipment etc.).

Al-enabled use cases has the potential to aid organizations to reach 11-45% of their Economic Emission Intensity(EEI) reduction targets¹ by 2030 1. Economic Emission Intensity = Emissions (in tons of CO₂ equivalent)/GVA (in million Euros). GVA is Gross Value Added = EBITDA + Personnel Costs.

EEI targets represent the net emission intensity sectors must achieve to achieve the 1.75°C temperature rise over pre-industrial levels

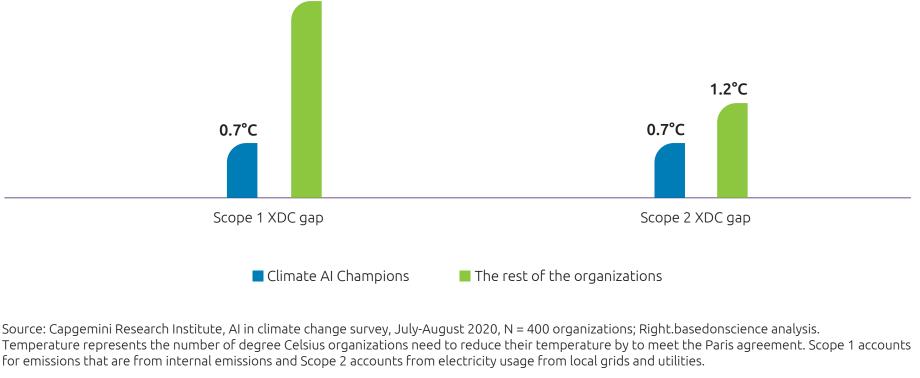
Organizations who effectively use AI in climate action are closer to their goals

In our survey, We found a set of Climate AI Champions who have a

mature climate change vision, strategy, and strong record of ccomplishment of AI implementation for climate action. They constitute 13% of all surveyed organizations.

2.5°C

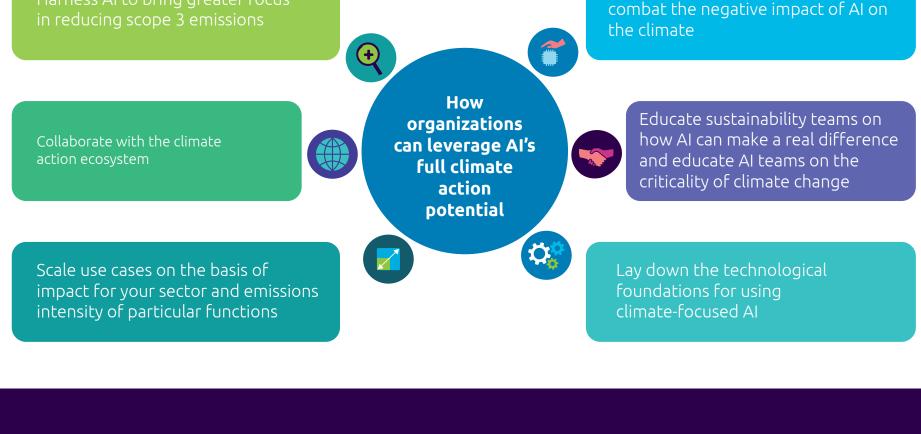
Portfolio XDC Gap for Climate AI Champions vs the rest of the organizations - the level of warming that must be reduced by these group of companies to be aligned with the Paris Agreement



How can organizations leverage AI's full climate

action potential

Account for and take measures to



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